

Message

From: Tom Webster [twebster@bu.edu]
Sent: 6/17/2013 3:38:57 PM
To: Strynar, Mark [Strynar.Mark@epa.gov]
CC: Dagnino, Sonia [Dagnino.Sonia@epa.gov]
Subject: Re: sucralose

Hi Mark and Sonia,
I hope all is well! Please update me on this project if you have a chance.
thanks!
tom

On Feb 7, 2013, at 6:32 AM, Strynar.Mark@epamail.epa.gov wrote:

Hi Tom,

Sonia could give you more details but here is what we know now as I recall concerning the PFC intermediates in serum. The metabolite we find in dosed rodents easily is not as prevalent in human serum samples we have checked so far. We can easily see PFOA and some other PFCs we usually measure in the human serum. We do see some of the intermediates in some serum samples and are trying now to get a better handle on concentration. Sonia could update you more on the specifics of the serum we got from BU.

We are doing some follow-up work on hot-spots in NC. We are trying to work in collaboration with Rob Hale (VMI) and Steve Wing (UNC) concerning some application of bio-solids on the upper Haw river. We suspect they are diffuse sources of PFCs into the local water bodies. Another colleague at NC State (Detlef Knappe) is investigating the occurrence of Bromine in the water.

The hotspot in Fayetteville has not yet received additional attention. However we suspect if the compound(s) emitted at the DuPont plant continues to be at current levels, it should be in the drinking water taken from the Cape Fear river just south of the effluent stream. Some preliminary investigations indicate activated charcoal is not a good removal tool, whereas ion exchange resin is. I am not sure what (if any) water purification method the plant is/will be using. We suspect they could be measurable in serum and/or urine collected from those drinking the water.

I would be glad to talk more on this if you have some time.

Mark

Dr. Mark J. Strynar
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Physical Scientist
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<graycol.gif> Tom Webster ---02/06/2013 01:09:01 PM---Hi Mark, Great to see you last fall!

From: Tom Webster <twebster@bu.edu>
To: Mark Strynar/RTP/USEPA/US@EPA
Date: 02/06/2013 01:09 PM
Subject: Re: sucralose

Hi Mark,
Great to see you last fall!
Are you having any luck with the PFC intermediates in serum?
Also, is there any follow-up on that idea both PFC hotspots in NC that we discussed while I was there?
best wishes,
Tom

On Nov 28, 2012, at 9:48 AM, Strynar.Mark@epamail.epa.gov wrote:

FYI,

Here is the structure of Sucralose with the 3 chlorine's in red for clarity.

Mark

(See attached file: sucralose.sk2)

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<sucralose.sk2>

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